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WHAT IS CLAIMED IS:

1. An extrusion molding apparatus for a ceramic molded product, comprising a mold for molding a ceramic molded product, a screw extruder for supplying a ceramic material to the mold, and a filter unit for filtering the ceramic material at the extrusion outlet of said screw extruder,

wherein said screw extruder has built therein a screw for kneading while moving the ceramic material forward, and has on the front part thereof a spatula portion adapted to move over the inlet surface of the filter unit with a predetermined interval between the spatula portion and the inlet surface.

- 2. An extrusion molding apparatus for a ceramic molded product according to claim 1, wherein the interval between the spatula portion and the inlet surface is in the range of not more than 30 mm.
- 3. An extrusion molding apparatus for a ceramic molded product according to claim 1, wherein the interval between said spatula portion and said inlet surface is in the range of 0.1 to 30 mm.
- 4. An extrusion molding apparatus for a ceramic molded product according to any one of claims 1 to 3, wherein said spatula portion is so configured as to move while rotating over the inlet surface of the filter unit.
- 5. An extrusion molding apparatus for a ceramic molded product according to claim 4, wherein said spatula portion is extended from the forward end of the screw and configured to rotate while moving with the screw.
- 6. An extrusion molding apparatus for a ceramic molded product according to claim 5, wherein said screw includes a lead portion arranged spirally around an axial member, the lead portion having the forward end thereof forming the spatula portion.
- 7. An extrusion molding apparatus for a ceramic molded product according to claim 5, wherein said spatula portion is configured of a plurality of blades arranged

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on the foremost axial portion extended from the forward end of the screw.

- 8. An extrusion molding apparatus for a ceramic molded product according to any one of claims 1 to 7, wherein said spatula portion preferably has a tapered surface inclined in such a manner as to move away from the inlet surface progressively with respect to the direction of movement.
- 9. An extrusion molding apparatus for a ceramic molded product according to any one of claims 1 to 8, wherein said ceramic molded product is a honeycomb structure.